

Converting Colors

XYZ(29.8993, 37.4792, 51.1803)

Have a look what the booklet for
XYZ(29.8993, 37.4792, 51.1803)
contains.

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Color

**XYZ(29.8860, 37.4544,
51.0017)**

Conversions

Conversions Part 1

Format	Color
Hex	68B0B8
RGB	104, 176, 184
RGB Percent	41%, 69%, 72%
CMY	0.5921, 0.3098, 0.2784
CMYK	0.43, 0.04, 0.00, 0.28
HSL	186°, 36%, 56%
HSV	186°, 43%, 72%
XYZ	29.8860, 37.4544, 51.0017
YIQ	155.3840, -45.4800, -12.7760

Conversions

Conversions Part 2

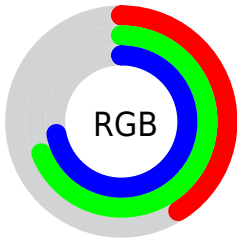
Format	Color
RYB	104, 142, 184
Decimal	6860984
CIELab	67.62, -20.42, -11.16
CIElCh	68, 23.265, 208.657
Yxy	37.4544, 0.2525, 0.3165
Android (android.graphics.Color)	4285051064 (0xFF68B0B8)
YUV	155.3840, 14.1077, -45.0638
Hunter-Lab	61.2000, -19.9325, -6.5700

Details

The XYZ color **29.8860, 37.4544, 51.0017** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.0607, 22.7788, 16.0155**, and the grayscale version is **31.2807, 32.9097, 35.8386**.

A 20% lighter version of the original color is **58.8829, 71.3754, 93.1115**, and **12.3986, 16.4330, 23.9911** is the 20% darker color. If you saturate the color by 10%, you get **27.6208, 35.7557, 50.7939**, and if you desaturate by 10%, it is **32.6243, 39.4061, 51.2347**.

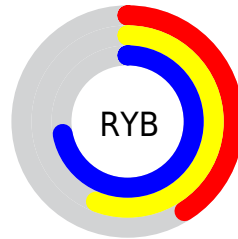
Distribution



Red (41%)

Green (69%)

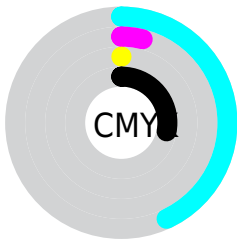
Blue (72%)



Red (41%)

Yellow (56%)

Blue (72%)

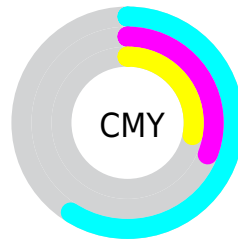


Cyan (43%)

Magenta (4%)

Yellow (0%)

Black (28%)



Cyan (59%)

Magenta (31%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8860, 37.4544, 51.0017 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 29.8860, 37.4544, 51.0017 by changing the saturation by 10% instead.

■ 29.8860, 37.4544,
51.0017

■ 29.8860, 37.4544,
51.0017

293.2921,
335.2737, 407.4171

■ 19.8997, 25.5595,
35.8332

■ 58.8697, 71.2711,
93.0688

■ 12.4300, 16.4944,
24.0167

■ 78.5979, 93.9617,
120.8045

■ 7.1115, 9.8747,
15.1337

■ 102.3040,
121.0197, 153.5664

■ 3.5789, 5.3159,
8.7656

■ 130.3535,
152.8294, 191.7730

■ 1.4668, 2.4338,
4.4939

163.1117,
189.7752, 235.8428

■ 0.3031, 0.8432,
1.9000

200.9439,

■ 0.0000, 0.0000,

232.2416, 286.1944

0.4927

244.2156,
280.6130, 343.2463

■ 0.0000, 0.0000,
0.0000

■ 29.8860, 37.4544,
51.0017

■ 29.8860, 37.4544,
51.0017

■ 27.6208, 35.7557,
50.7939

■ 32.6243, 39.4061,
51.2347

■ 25.7948, 34.2896,
50.6071

■ 35.8603, 41.6207,
51.4917

■ 24.3746, 33.0401,
50.4408

■ 39.6207, 44.1130,
51.7745

■ 23.3210, 31.9866,
50.2930

■ 43.9295, 46.8953,
52.0845

■ 22.5865, 31.1048,
50.1615

■ 48.8091, 49.9793,
52.4226

■ 22.2163, 30.5896,
50.0816

■ 54.2807, 53.3759,
52.7898

■ 60.3643, 57.0954,
53.1871

■ 67.0792, 61.1478,
53.6153

■ 68.8647, 62.6664,
53.8144

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.1424, 37.4544, 40.3206



29.8860, 37.4544, 51.0017



32.1324, 37.4544, 60.0750

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



29.8860, 37.4544, 51.0017



41.8178, 37.4544, 51.9375



35.7611, 37.4544, 24.0563

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



29.8860, 37.4544, 51.0017



28.0607, 22.7788, 16.0155

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



39.3070, 37.4544, 26.1362



29.8860, 37.4544, 51.0017



42.9457, 37.4544, 41.2459

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



29.8860, 37.4544, 51.0017



39.0088, 37.4544, 60.6760



41.9979, 37.4544, 32.0268



32.3944, 37.4544, 25.7938

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



29.8860, 37.4544, 51.0017



34.2605, 37.4544, 63.3642



41.9979, 37.4544, 32.0268



36.9725, 37.4544, 24.3247

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



29.8871, 37.4559, 51.0026



72.0119, 80.0896, 93.8680



25.7012, 38.3652, 20.9945



15.1820, 17.0414, 20.2107



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.8871, 37.4559, 51.0026



50.2954, 64.9905, 92.0982



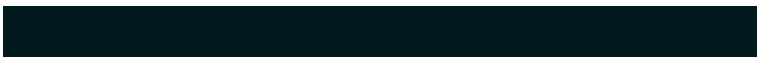
23.3547, 24.3910, 48.8251



9.1879, 10.0530, 11.5356



15.3405, 21.1406, 34.5251



0.5631, 0.7899, 1.2245

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



32.5549, 23.2266, 43.8432



55.8685, 36.3062, 76.9085



33.2798, 33.2169, 17.7552



9.3412, 9.1468, 11.1441



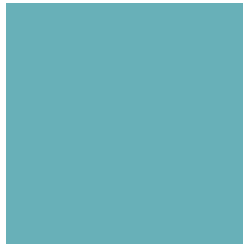
18.3568, 8.9165, 25.5636



0.6584, 0.3188, 0.9605

Previews

White Background



This preview shows how the XYZ color 29.8860, 37.4544, 51.0017 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 29.8860, 37.4544, 51.0017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

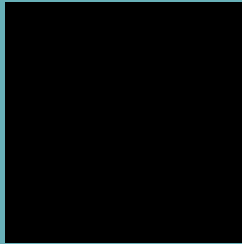
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8860, 37.4544, 51.0017

Background



This preview shows how black text looks on a background with the XYZ color 29.8860, 37.4544, 51.0017.

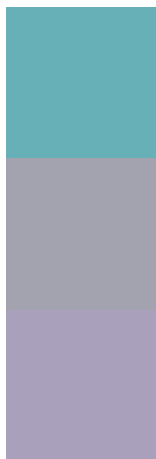


This preview shows how white text looks on a background with the XYZ color 29.8860, 37.4544,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

29.8860, 37.4544, 51.0017

Protanopia

36.0379, 37.1155, 46.3389

Deuteranopia

37.9026, 37.1645, 52.1895



Tritanopia

30.4591, 37.3982, 53.7573

Trichromacy



Original Color

29.8860, 37.4544, 51.0017

Protanomaly

33.2946, 37.0107, 48.0368

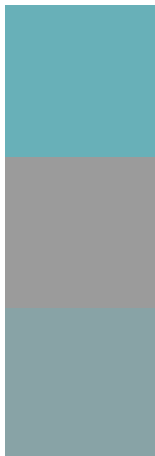
Deuteranomaly

34.1762, 36.8373, 51.7634

Tritanomaly

30.1253, 37.2511, 52.6161

Monochromacy



Original Color

29.8860, 37.4544, 51.0017

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.1335, 34.1818, 41.0859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8860, 37.4544, 51.0017 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(104, 176, 184)` looks like.

```
.text, #text, p{  
    color:rgb(104, 176, 184)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(104, 176, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 176, 184) }
```

Border

The CSS property to change the border of an element to XYZ 29.8860, 37.4544, 51.0017 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(104, 176, 184) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(104, 176, 184) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(104, 176, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 176, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 176, 184);  
box-shadow:4px 4px 4px 4px rgb(104, 176,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8860, 37.4544, 51.0017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 176, 184) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(104,  
176, 184) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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